



Technical Data Sheet

MATERIAL: Poly(4-vinylpyridine), cross-linked

CATALOG NUMBER: 701

CAS NUMBER: 9017-40-7

DESCRIPTION:

FORMULA: $(C_{10}H_{10}.C_7H_7N)_x$

TYPICAL PROPERTIES:

Appearance:	Bead
Approx pKa:	3-4
Temperature stability:	> 225°C
Bulk density:	0.45g./ml.
Flash point:	> 200°F
Approx particle size:	60 mesh
Approx surface area:	0.5m ² /g
Hydrogen ion capacity:	8.8 meq/g (in water) 8.5 meq/g (in toluene)
Solubility:	Insoluble in acids, bases, organic solvents, water

% swelling from dry to solvent-saturated state:

Methanol	70-75
Acetone	30-35
Water	33-37
Isopropanol	13-17
Toluene	8-12
Ethyl acetate	3-6

GENERAL INFORMATION: This product has a tough physical form suited for batch reactions. It is also suitable for aqueous and non-aqueous applications. This product has a high capacity and is stable at high temperatures.

STRUCTURE:

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